

# aiwa

**COMPACT**  
**disc**  
**DIGITAL AUDIO**

**OPERATING INSTRUCTIONS  
MANUAL DE INSTRUCCIONES  
MODE D'EMPLOI**

# CDC-X927M YUC

**STEREO CAR CD RECEIVER  
RADIO-TOCADISCOS DE CD ESTEREOFONICO PARA  
AUTOMOVIL**

**ENGLISH**

**ESPAÑOL**

**FRANÇAIS**

## **OWNER'S RECORD**

For your convenience, record the model number and serial number (you will find them on the bottom side of your set) in the space provided below. Please refer to them when you contact your AIWA dealer in case of difficulty.

Model No.

Serial No.

8C-KC4-901-01  
020131ATM-OX

# PRECAUTIONS

- Use only in a 12-volt DC negative-ground electrical system.
- Disconnect the vehicle's negative battery terminal while mounting and connecting the unit.
- When replacing the fuse, be sure to use one with an identical amperage rating. Using a fuse with a higher amperage rating may cause serious damage to the unit.
- Do NOT attempt to disassemble the unit. Laser beams from the optical pickup are dangerous to the eyes.
- Make sure that pins or other foreign objects do not get inside the unit; they may cause malfunctions, or create safety hazards such as electrical shock or laser-beam exposure.
- When your vehicle has been parked in direct sunlight resulting in a considerable rise in the temperature inside, allow the unit to cool off before operating it.
- Keep the volume at a level at which you can hear outside warning sounds (horns, sirens, etc.).

## NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## CAUTION

Modifications or adjustments to this product that are not expressly approved by the manufacturer may void the user's right or authority to operate this product.

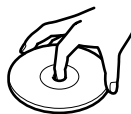
In addition to ordinary CDs, CD-Rs or CD-RWs can be read by this unit. However, NEVER use a CD-R or CD-RW that contains no data or data in the wrong format, such as MP3 or other computer files.

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## CD Notes

- Playing a defective or dusty CD can cause dropouts in sound.
- Hold CDs as illustrated.
- Do NOT touch the unlabeled side.
- Do NOT attach any seal, label or data protection sheet to either side of a disc.
- Do NOT expose a CD to direct sunlight or excessive heat.
- Wipe a dirty CD from the center outward with a cleaning cloth.  
Never use solvents such as benzine or alcohol.
- This unit cannot play 3-inch (8 cm) CDs.
- NEVER insert a 3-inch CD contained in the adapter or any irregularly shaped CD.  
The unit may not be able to eject it, resulting in a malfunction.



## DEMO (Demonstration) mode

The unit has an extra display mode, which demonstrates the display of the operation modes of the unit. The unit switches to DEMO mode automatically if you turn the unit on and leave it as it is for 5 seconds after all the connections have been completed.

### To cancel DEMO mode

- 1 Press and hold **SRC** until "CONT." appears on the display.
- 2 Press **TUNE ▲** or **TUNE ▼** until "DEMO." appears on the display.
- 3 Turn **AUDIO CONTROL** to select "DEMO. OFF".  
To resume DEMO mode, select "DEMO. ON" in step 3.

# THEFT PROTECTION

## (Retractable Front Panel)

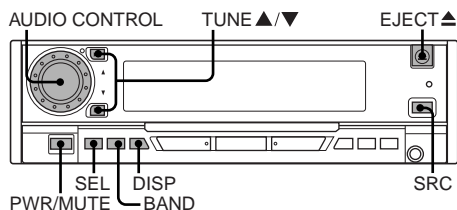
When your car's ignition switch is turned off, the front panel will be retracted automatically as if there were no car audio in the console.

When the ignition switch is set to ACC or ON position, the front panel will appear automatically.

### Note

Do not touch and put excessive pressure on the front panel while it is rotating.

# BASIC OPERATION, AUDIO AND CLOCK ADJUSTMENT



## Turning the unit on/off

- You can turn the unit on by pressing any button on the front panel except ▲. The unit also turns on when you press ▲ and insert a CD.
- Press and hold **PWR/MUTE** until the unit turns off.

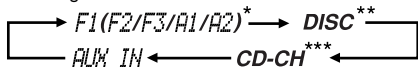
### Note

Most operations described in this manual require the unit to be turned on before starting the operation, unless explicitly stated otherwise.

## Changing the source mode

- 1 Press **SRC**.

Pressing **SRC** cycles through source modes in the following order:



\* To select another bands, press **BAND** to select F2, F3, A1, A2, while "F1" is displayed.

\*\* "DISC" does not appear on the display when there is no CD in the unit.

\*\*\*CD Changer Play mode (available when an optional CD Changer is connected)

## Adjusting the volume

- 1 Turn **AUDIO CONTROL**.  
VOL (volume) indication appears.

## Muting the sound

- 1 Press **PWR/MUTE** briefly.  
MUTE indicator flashes.
- To restore volume, briefly press **PWR/MUTE** again.

## Adjusting sound

You can select the following modes for adjusting sound depending on the music you listen to: BASS (low frequencies), TRE (high frequencies), BAL (left/right), FAD (front/rear), H-BASS (high bass)\*, DSSA (Drivers Sound Stage Adjustment)\*\* and BBE\*\*\*.

\* You can reinforce the bass sound.

\*\* You can adjust sound stage and tone balance to best serve a particular seat in the car.

\*\*\* You can enhance the clarity of high-frequency sound.

- 1 Press **SEL** repeatedly to select the mode to be adjusted.  
Pressing **SEL** cycles through the modes. The selected mode's indicator appears.
- 2 Turn **AUDIO CONTROL** to increase or decrease the level for the selected mode (except for H-BASS, DSSA and BBE).  
**In H-BASS mode**, turn **AUDIO CONTROL** to select 1, 2, 3, or OFF.  
**In DSSA mode**, turn **AUDIO CONTROL** to select L (for the front left seat), R (for the front right seat), or OFF.  
**In BBE mode**, turn **AUDIO CONTROL** to select 1, 2, or OFF.

### Notes

- Adjust the level or select an item within 5 seconds, or the selected mode will return to previous state.
- When DSSA is activated, you cannot adjust BAL, FAD, BASS, TRE and BBE.
- When BBE sound is activated, you cannot adjust BASS and TRE.

## Aligning the source levels

### (Source Level Adjuster)

Volume may vary each time you change the source mode. In this case, you can align each source mode's volume to almost the same level.

- 1 Press **SRC** repeatedly to select the desired mode.
- 2 Press **DISP** while pressing **SEL**.  
"LEVEL 0" appears on the display.
- 3 Turn **AUDIO CONTROL** to adjust the level.

### Note

Adjust the level within 5 seconds, or this function will be canceled.

## Restoring the factory settings

- 1 Turn off the unit.
- 2 Press and hold **DISP** until "LEVEL --" appears on the display.

### Note

You can restore the factory settings only for VOL, BASS, TRE, BAL, FAD, H-BASS, DSSA and BBE as well as aligned source volume levels.

## Setting the beep tone

- 1 Turn off the unit.
- 2 Press and hold **SEL** until "BEEP" appears on the display.
- 3 Turn **AUDIO CONTROL** to select "ON" or "OFF".
- 4 Press **SEL**.  
The unit turns off.

## Setting the clock

- 1 Press and hold **DISP** until the clock indicator flashes on the display.
- 2 Press **TUNE▲** (to set hour) or **TUNE▼** (to set minute) and turn **AUDIO CONTROL**.
- 3 Press **DISP**.

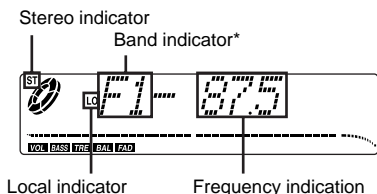
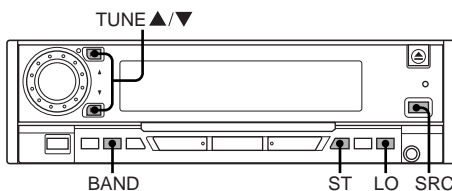
## Displaying the clock

- 1 Press **DISP**.  
To return to the former display, press **DISP** again.

# RADIO OPERATION

## Tuning in to a station

(Seek/Manual Tuning)



\* "F" means FM, and "A" means AM.

- 1 Press **BAND** repeatedly to select the desired band (F1, F2, F3, A1 or A2).
- 2 Press **TUNE▲** (to move to higher frequencies) or **TUNE▼** (to move to lower frequencies) to tune in to a station.

"ST" appears on the display when an FM station is broadcasting in stereo, and receiving conditions are good.

### Seek Tuning and Manual Tuning

• Press and hold **TUNE▲** or **TUNE▼** until Seek Tuning starts.  
The unit locates a station automatically (Seek Tuning).

• Press **TUNE▲** or **TUNE▼** repeatedly to search for a desired station while increasing or decreasing the frequency step by step (Manual Tuning).

To stop Seek Tuning, press **TUNE▲** or **TUNE▼** again.

### Monaural mode

When FM signals become weak, or FM reception becomes poor, the unit automatically switches to Monaural mode to reduce noise.

### Note

When stereo sound is received, you can also press **ST** and select "MONO ON" to listen in monaural mode. To resume stereo sound receiving, press **ST** to "MONO OFF".

### Local mode

Local mode allows you to tune in only to strong stations during Seek Tuning.

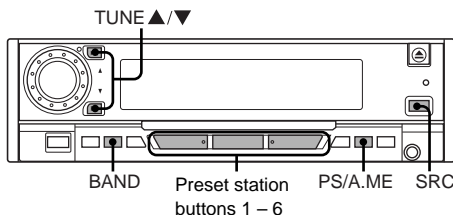
- 1 Press **LO** before you start seek tuning.  
"LO" appears on the display.

To return to Distant mode, press **LO** again.

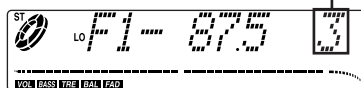
"LO" disappears and the unit tunes in to all receivable stations.

## Using preset stations

You must preset stations before you can tune in to a station using preset station number buttons.



Preset station number



## Presetting stations automatically

### (Auto Memory)

- 1 Press **BAND** repeatedly to select the desired band (F1, F2, F3, A1 or A2).
- 2 Press and hold **PS/A.ME** until automatic presetting starts. "A MEM" appears on the display. The unit automatically stores up to 6 stations for each band. After completion of automatic presetting, the unit tunes in to all the stations stored on the preset station buttons in order (Preset Scan).

To cancel automatic presetting, press **PS/A.ME** again.

### Checking the preset stations (Preset Scan)

- 1 Press **PS/A.ME** briefly. Each preset station will be tuned in for 5 seconds in order.

To cancel **Preset Scan**, press **PS/A.ME** again or any preset station button.

## Presetting stations manually

### (Manual Memory)

- 1 Press **BAND** repeatedly to select the desired band (F1, F2, F3, A1 or A2).
- 2 Press **TUNE▲** or **TUNE▼** to tune in to a desired station (see "Tuning in to a station," page 3).
- 3 Press and hold the desired preset station button until the unit beeps.

### Note

A newly preset station replaces the station on the same band that was previously stored on that preset station button.

## Tuning in to a preset station

- 1 Press **BAND** repeatedly to select the desired band (F1, F2, F3, A1 or A2).
- 2 Press the preset station button on which the desired station is stored.

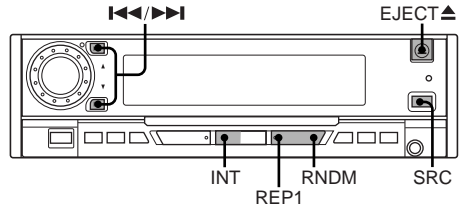
### Active tuning reception control (ATRC)

The unit automatically suppresses FM noise caused by vehicle movement, and maintains sound quality.

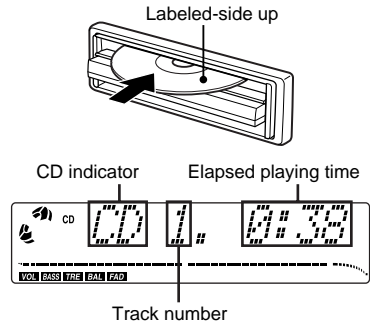
# CD PLAYER OPERATION

## Playing a CD

You can play CDs, CD-Rs and CD-RWs using the procedure described below.



- 1 Press **▲** to open the front panel.
- 2 Insert a CD. The front panel will be closed automatically and "CD" appears on the display. CD play starts. If a CD is already inserted, press **SRC** repeatedly to select CD play mode. In normal play, when the last track finishes, the unit returns to the first track and continues to play.



To	Press
Eject a CD	<b>▲</b> *
Skip to the next track	<b>▶▶</b>
Go back to the beginning of the current track	<b>◀◀</b>
Each extra press skips backward one extra track	
Locate a specific point in a track	Press and hold <b>◀◀</b> or <b>▶▶</b> until you find the point.

\* When you remove the CD, the front panel will be closed automatically after a while. To close the front panel manually, press **▲** while the front panel is open.

## Notes

- When you play a CD that is already inserted, CD play starts at the point where it stopped the previous time. A newly inserted CD starts from the first track.
- A CD-R or CD-RW may take some time to start playing back, but this is not a malfunction.
- If a CD-R or CD-RW with no data or incompatible data is inserted, "ERROR03" will appear on the display. (See the section "TROUBLESHOOTING".) The unit cannot play such discs.

## Intro Play

You can locate a desired track by monitoring the first 10 seconds of all the tracks on a CD.

- 1 Press **INT** during CD play.  
"SCAN" appears on the display.
- 2 Press **INT** again when the desired track is played.  
The unit returns to normal CD play.

## One Track Repeat Play

You can play a track repeatedly.

- 1 Press **REP1** during CD play.  
"REP1" appears on the display.

**To cancel One Track Repeat Play**, press **REP1** again.

## Random Play

You can play all the tracks in random order.

- 1 Press **RNDM** during CD play.  
"RANDOM" appears on the display.

**To cancel Random Play**, press **RNDM** again.

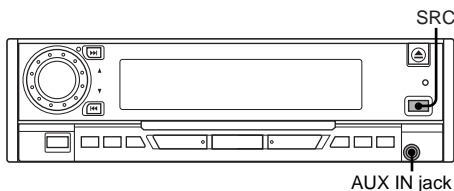
## Note

During Random Play, pressing **◀◀** allows you to skip only to the beginning of the current track, not to the previous track.

# AUXILIARY EQUIPMENT

## Listening to a cassette/MD/MP3 portable player or other equipment

You can listen to music through equipment connected to the unit. Refer to the operating instructions for the corresponding equipment for more detailed information. Be sure to remove any loaded CD to prevent possible damage to the unit before connecting the equipment.

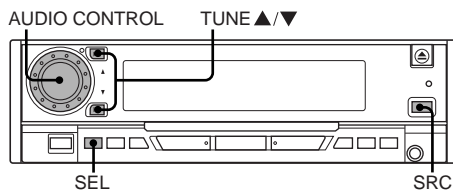


- 1 Connect a cassette/MD/MP3 portable player or other equipment via the unit's AUX IN jack (3.5 mm dia.).
- 2 Press **SRC** repeatedly until "AUX IN" appears on the display.

## Note

When a connecting cord is plugged into the AUX IN jack, you cannot insert or eject a CD even if you press **▲**. Be sure to disconnect the cord before inserting or ejecting the CD. Likewise, be sure to disconnect it before you turn off the ignition switch, otherwise the front panel won't be retracted.

# OTHER FUNCTIONS



## Changing the display contrast

- 1 Press and hold **SRC** until "CONT." appears on the display.
- 2 Turn **AUDIO CONTROL** to adjust the contrast.

## Changing the key illumination color

You can choose blue or red as the key illumination color.

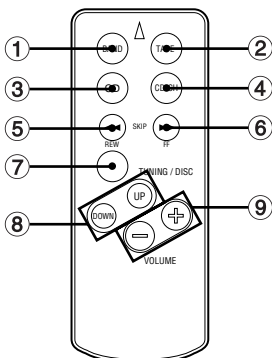
- 1 Press and hold **SRC** until "CONT." appears on the display.
- 2 Press **TUNE▲** or **TUNE▼** until "ILL" appears on the display.
- 3 Turn **AUDIO CONTROL** to select 1 (for blue) or 2 (for red).

## Setting the dimmer of the display

- 1 Press and hold **SEL** until "DIMMER" appears on the display.
- 2 Turn **AUDIO CONTROL** to select 0 (bright) or 1 (dimmed).

# CARD REMOTE CONTROL

## Names of parts

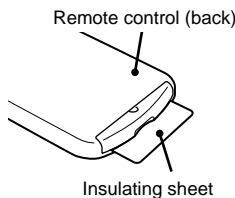


- ① **BAND button**
- ② **TAPE button** (This button is not available with this unit.)
- ③ **CD button**
- ④ **CD-CH button** (CD changer only)
- ⑤ **SKIP <</REW button**
- ⑥ **SKIP >>/FF button**
- ⑦ **PS (preset) button**
- ⑧ **TUNING/DISC UP/DOWN buttons**
- ⑨ **VOLUME +/- buttons**

## Preparations

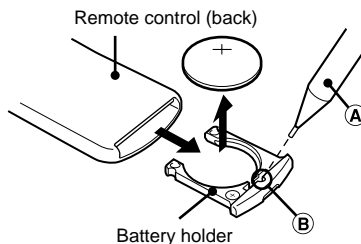
A lithium battery is installed in the remote control at the factory.

Before you use the remote control, be sure to remove the insulating sheet by simply pulling it out.

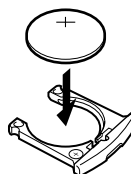


## Replacing the battery

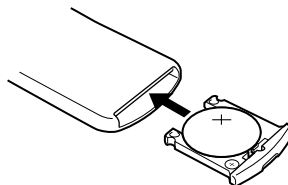
- 1 Insert the tip of a pointed object (A) into the hole (B) and pull out the battery holder to remove the lithium battery (CR2025).



- 2 Install a new lithium battery (CR2025) with the ⊕ side facing up in the battery holder.



- 3 Push the battery holder into the unit until it clicks.



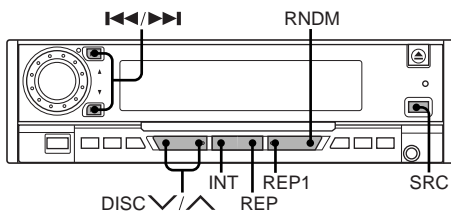
## **CAUTIONS**

- Keep the lithium battery out of the reach of children. If swallowed, consult a doctor immediately.
- To prevent a short circuit, never pinch the battery with pliers, etc.

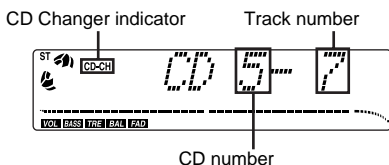
# CD CHANGER OPERATION

## Playing a CD

You can play CDs from a connected AIWA CD Changer. For detailed information on installing a CD Changer, refer to the Installation and Connection manual supplied with the CD Changer.



- 1 Press **SRC** repeatedly to display "CD-CH." The CD Changer play starts.



To	Press
Skip to the next track	▶▶
Skip back to the beginning of the current track or to the previous track	◀◀
Advance rapidly to locate a desired point	Press and hold ▶▶, then release it at the desired point
Reverse rapidly to locate a desired point	Press and hold ◀◀, then release it at the desired point
Start CD Changer play from the first track on the next disc	<b>DISC</b> ^
Start CD Changer play from the first track on the previous disc	<b>DISC</b> v

## Intro Play

You can locate a desired track by monitoring the first 10 seconds of all the tracks on the CDs in the disc magazine.

- 1 Press **INT** during CD Changer play. "SCAN" appears on the display.
- 2 Press **INT** again when the desired track is played. The unit returns to normal CD play.

## One Disc Repeat Play

You can play all tracks on a disc repeatedly.

- 1 Press **REP** during CD Changer play.

"REP" appears on the display.

To cancel Repeat Play, press **REP** again.

## One Track Repeat Play

You can play a track repeatedly.

- 1 Press **REP1** during CD Changer play.

"REP1" appears on the display.

To cancel Repeat Play, press **REP1** again.

## One Disc Random Play

You can play all the tracks on a disc in random order.

- 1 Press **RNDM** during CD Changer play.

"RANDOM" appears on the display.

To cancel Random Play, press **RNDM** again.

## Note

During Random Play, pressing ◀◀ allows you to skip only to the beginning of the current track, not to the previous track.

# TROUBLESHOOTING

## Error code

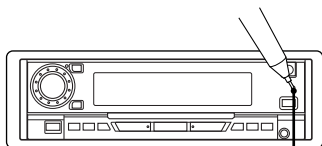
In the following cases the corresponding error code indication appears. Follow the suggestions below to solve such problems. If the error code indication does not disappear, consult an AIWA service center.

- ERROR01** The disc magazine is not properly inserted in the CD Changer. Reinsert the magazine. Refer to the instruction manual for the CD Changer.
- ERROR02** No CDs are loaded in the disc magazine. Insert CDs properly. Refer to the instruction manual for the CD Changer.
- ERROR03** Focus error. Check that the CD is loaded properly (right side up, etc.), and the CD contains valid data.
- ERROR04** Problem with the CD Changer. Reset the unit by pressing the reset button. If this does not solve the problem, consult an AIWA service center.



### Reset button

If a CD does not operate properly, press the reset button with a pointed object such as a pencil, etc. Note that all your settings will be erased if this button is pressed.



Reset button

## MAINTENANCE

### Cleaning the front panel

Wipe the surface with a soft, dry cloth.

## SPECIFICATIONS

### RADIO SECTION

#### (FM)

**Frequency Range:** 87.5 MHz – 108 MHz

**Usable Sensitivity:** 12.7 dBf

**50 dB Quieting Sensitivity:** 17.2 dBf

**IF Rejection:** 100 dB

**Frequency Response:** 30 Hz – 15,000 Hz

**S/N Ratio:** 70 dB

**Stereo Separation:** 35 dB at 1 kHz

**Alternate Channel Selectivity:** 90 dB

**Capture Ratio:** 3 dB

#### (AM)

**Frequency Range:** 530 kHz – 1,710 kHz

**Usable Sensitivity:** 30  $\mu$ V (30 dB)

### CD SECTION

**Frequency Response:** 17 Hz – 20 kHz +0/-3 dB

**Dynamic Range:** More than 92 dB

**Channel Separation:** More than 60 dB

**S/N Ratio:** More than 90 dB

**Wow/Flutter:** Unmeasurable

### AUDIO SECTION

**Max. Power Output:** 45 W  $\times$  4 channels

### AUX IN input

**Input sensitivity (load impedance) AUX IN:** 300 mV

(10 k $\Omega$ )

## GENERAL

**Power-Supply Voltage:** 14.4 V (11 to 16 V allowable), DC, negative ground

**Load Impedance:** 4  $\Omega$

**Tone Control:** Bass  $\pm$  10 dB at 100 Hz, Treble  $\pm$  10 dB at 10 kHz

**Preamp Output Voltage (load impedance):** 2.2 V (10 k $\Omega$ )

**Installed size:** 182 (W)  $\times$  53 (H)  $\times$  155 (D) mm  
(7 1/4 (W)  $\times$  2 1/8 (H)  $\times$  6 1/8 (D) inches)

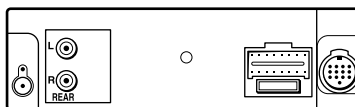
## CARD REMOTE CONTROL

**Dimensions:** approx. 33 (W)  $\times$  85 (H)  $\times$  7.5 (D) mm  
(1 5/16 (W)  $\times$  3 3/8 (H)  $\times$  5/16 (D) inches)

**Weight:** approx. 20 g (0.7 oz.) (including battery)

- Specifications and external appearance are subject to change without notice due to product improvement.

## REAR PANEL



For details, refer to the separate "INSTALLATION AND CONNECTIONS".

## **BBE**

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